

AMENDMENTS TO THE SPECIFICATION:

Amend the specification as follows:

Replace the paragraph beginning on page 18, line 3 with the following rewritten paragraph:

Given these considerations, frequency is used depending on the input pixel value as in the following general formula in a C language program.

If mod (Avg, 255/(Q-1))-255/2(Q-1)>=0

$$\text{Frq} = [\text{square root sign}](1/2) \cdot [\text{square root sign}][[255/(Q-1)]/[255/(Q-1) - \text{mod}(\text{Avg}, 255/(Q-1))]]/\pi \quad (2)$$

else

$$\text{Frq} = [\text{square root sign}](1/2) \cdot [\text{square root sign}][[(255/(Q-1))/\text{mod}(\text{Avg}, 255/(Q-1))]]/\pi \quad (3)$$

$$\text{Frq} = \sqrt{(1/2)} \cdot \sqrt{[255/(Q-1)]/[255/(Q-1) - \text{mod}(\text{Avg}, 255/(Q-1))]} / \pi \quad (2)$$

else

$$\text{Frq} = \sqrt{(1/2)} \cdot \sqrt{[255/(Q-1)] / \text{mod}(\text{Avg}, 255/(Q-1))} / \pi \quad (3)$$

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